

# **MEDIALCOM**

## **300Mbps Wireless-N ADSL2+ Modem Router**

### **Description:**

M-NTWRA300 300Mbps ADSL2+ Modem Router provides up to 24Mbps downstream rate and 1Mbps upstream rate, which integrates ADSL2+ Modem, 802.11n wireless Router, four-port LAN Switch and Firewall in one. M-NTWRA300 utilizes advanced MIMO technology and increases over 8 times transmission range of ordinary 802.11g products. Compatible with IEEE802.11n (Draft 2.0) and IEEE802.11g/b standards, it can provide up to 300Mbps stable transmission rate.

It supports WDS (Wireless Distribution System) function for repeating and amplifying the signals to extend the wireless network coverage. Besides, it can disable SSID broadcast manually. WPS (PBC and PIN) encryption method, port filtering and MAC address filtering can protect your network from malicious attack. M-NTWRA300 can be managed through local/remote Web management interface anywhere. Moreover, the M-NTWRA300 function can make your voice and video more smooth. Powerful and exquisite, it is the best choice for SOHOs and small-sized enterprises to share the wireless network.

### **Key Features :**

- ◆ Integrates ADSL2+ Modem, wireless router, four-port LAN switch and firewall in one
- ◆ Complies with IEEE802.11n , IEEE802.11b and IEEE802.11g standards
- ◆ MIMO technology utilizes reflection signals to increase 8 times transmission distance of original 802.11g standard and reduces the "dead spots" in the wireless coverage area
- ◆ Provides 300Mbps receiving rate and 300Mbps sending rate
- ◆ Supports WMM to make your voice and video more smooth
- ◆ Supports 64/128-bit WEP, WPA, WPA2 encryption methods and 802.1x security authentication standard
- ◆ Supports ATM Forum UNI 3.0, 3.1 and 4.0 Permanent Virtual Circuits standard
- ◆ Setup Wizard support for fast and easy configurations
- ◆ WPS (PBC and PIN) encryption method to free you from remembering long passwords

- ◆ Supports remote/local Web management
- ◆ Supports wireless Roaming technology to ensure high-efficient wireless connections
- ◆ Supports wireless SSID stealth mode and MAC address access control
- ◆ Supports Auto MDI/MDIX
- ◆ Provides system log to record the status of the router
- ◆ Supports MAC address filtering, IP address filtering, URL filtering and NAT rules
- ◆ Supports UPnP and DDNS
- ◆ Supports access control over 30 MAC address entries
- ◆ Supports DHCP server/client
- ◆ Supports SNTP
- ◆ Supports virtual server and DMZ host
- ◆ Supports bandwidth control based on IP address range
- ◆ Built-in firewall to prevent hacker attack
- ◆ Supports auto wireless channel selection
- ◆ Supports WDS function (Wireless Distribution System)
- ◆ 2<sup>nd</sup> LAN Port is for IPTV

**Specification:**

Chipset	BCM63281+BCM43227
Ports	4 10/100Mbps LAN Ports, 1 RJ11 port
Antenna	2 x 5dBi Fixed Antenna(Optional Detachable)
IEEE 802.11 Standards Supported	IEEE 802.11b/g/n
WAN Access Way	Dynamic IP, Static IP, PPPoE, PPPoA, IPoA,Bridge
Wireless port supported	WPS, WMM, WPA2
ADSL Module Annex Type	Support Annex A/B/M
Power Adapter	DC 9V,1A

Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% RH Non-condensing
Storage Humidity	5% ~ 90% RH Non-condensing
Sensitivity RX Sensitivity of Different Power Level	<p>270M : -70dBm@10% PER ; 130M : -70dBm@10% PER ;</p> <p>108M :-70dBm@10% PER ;54M :-73dBm@10% PER</p> <p>11M : -85dBm@8% PER ; 6M : -88dBm@10% PER</p> <p>1M : -90dBm@8% PER</p>